

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

### **Counties with Published Soil Surveys**

Technical soil descriptions are located in the county soil survey descriptive legend.

### **Counties without Published Soil Surveys**

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- **(a) Classification of the soils**

Carroll County, Missouri  
 Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
AHOLT-----	Very-fine, montmorillonitic (calcareous), mesic Vertic Haplaquolls
ARMSTER-----	Fine, montmorillonitic, mesic Mollic Hapludalfs
*ARMSTER-----	Fine, montmorillonitic, mesic Mollic Hapludalfs
BOOKER-----	Very-fine, montmorillonitic, mesic Vertic Endoaquolls
BREMER-----	Fine, montmorillonitic, mesic Typic Argiaquolls
COLO-----	Fine-silty, mixed, mesic Cumulic Endoaquolls
COTTER-----	Fine-silty, mixed, mesic Typic Argiudolls
GILLIAM-----	Fine-silty, mixed, mesic Fluvaquentic Hapludolls
GOSPORT-----	Fine, illitic, mesic Typic Dystrochrepts
*GREENTON-----	Fine, montmorillonitic, mesic Aquic Argiudolls
GRUNDY-----	Fine, montmorillonitic, mesic Aquertic Argiudolls
HAYNIE-----	Coarse-silty, mixed, calcareous, mesic Mollic Udifluvents
*HIGGINSVILLE-----	Fine-silty, mixed, mesic Aquic Argiudolls
HODGE-----	Mixed, mesic Typic Udipsamments
KENMOOR-----	Sandy over clayey, mixed (calcareous), mesic Aquic Udifluvents
KNOX-----	Fine-silty, mixed, mesic Mollic Hapludalfs
*KNOX-----	Fine-silty, mixed, mesic Mollic Hapludalfs
LADOGA-----	Fine, montmorillonitic, mesic Vertic Hapludalfs
LAGONDA-----	Fine, montmorillonitic, mesic Aquertic Argiudolls
*LAGONDA-----	Fine, montmorillonitic, mesic Aquertic Argiudolls
*LANDES-----	Coarse-loamy, mixed, mesic Fluventic Hapludolls
LETA-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
NODAWAY-----	Fine-silty, mixed, nonacid, mesic Mollic Udifluvents
NORBORNE-----	Coarse-loamy, mixed, mesic Typic Argiudolls
PARKVILLE-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
SAMPSEL-----	Fine, montmorillonitic, mesic Vertic Argiaquolls
SHARPSBURG-----	Fine, montmorillonitic, mesic Typic Argiudolls
*SHARPSBURG-----	Fine, montmorillonitic, mesic Typic Argiudolls
WABASH-----	Fine, montmorillonitic, mesic Cumulic Vertic Endoaquolls
WAKENDA-----	Fine-silty, mixed, mesic Typic Argiudolls
WALDRON-----	Fine, smectitic, active, calcareous, mesic Aeric Fluvaquents
WAUBONSIE-----	Coarse-loamy over clayey, mixed, mesic Fluventic Hapludolls
ZOOK-----	Fine, montmorillonitic, mesic Cumulic Vertic Endoaquolls